

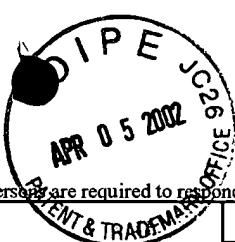
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 4

Complete if Known

Application Number	10/007,657
Filing Date	November 23, 2001
First Named Inventor	CRANDALL, Bradford G., Jr.
Group Art Unit	
Examiner Name	

Attorney Docket Number A-70608-7/DJB/RMK/DJM

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
S	A1	75,161		Heisler	03-1868	
	A2	113,713		Whitlow	04-1871	
	A3	2,465,854		Dorman et al.	03-1949	
	A4	3,984,570		Bent	10-1976	
	A5	4,402,950		Wolf et al.	09-1983	
	A6	4,477,361		Sperti et al.	10-1984	
	A7	4,943,674		Houck et al.	07-1990	
	A8	4,978,686		Sotome	12-1990	
	A9	5,079,000		Takahashi et al.	01-1992	
	A10	5,129,951		Vaughn	07-1992	
	A11	5,149,715		Armstrong et al.	09-1992	
	A12	5,166,317		Wallace et al.	11-1992	
	A13	5,175,095		Martineau et al.	12-1992	
	A14	5,177,011		Shewmaker et al.	01-1993	
	A15	5,202,247		Kilburn et al.	04-1993	
	A16	5,315,001		Krindl et al.	05-1994	
	A17	5,340,731		Kilburn et al.	08-1994	
	A18	5,486,537		Farinas	01-1996	
	A19	5,639,794		Emerson	06-1997	
	A20	5,676,958		Emerson	10-1997	
	A21	5,693,344		Knight et al.	12-1997	
S	A22	5,839,224		Emerson et al.	11-1998	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ² (if known)				
S	B1	DE	3724595			02-1989		
	B2	DE	44 23 022	C1	LUTZ	05-1995		
	B3	FR	2 529 755		SAOTOME,	06-1983		
	B4	FR	2 405 650		ROUSSEL-UCLAF	05-1979		
	B5	GB	504125		CARPMAEL	05-1939		
	B6	GB	1277417		JANERS et al.	06-1972		
	B7	JP	86-025682		SAOTOME,	07-1982		
S	B8	JP	57120501		SAOTOME,	07-1982		

Examiner Signature	S. L	Date Considered	10-5-02
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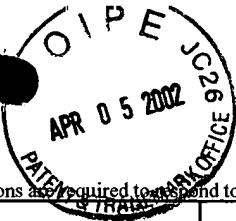
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 4

Complete if Known

Application Number	10/007,657
Filing Date	November 23, 2001
First Named Inventor	CRANDALL, Bradford G., Jr.
Group Art Unit	
Examiner Name	

Attorney Docket Number A-70608-7/DJB/RMK/DJM

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SL	A23	5,589,194		Tsuei et al.	12-1996	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴				
SL	B9	JP	60-146804		08-1985		
	B10	JP	61-007290		01-1986		
	B11	JP	61-065802		04-1986		
	B12	JP	63-255203	SAOTOME	10- 1988		
	B13	JP	1-261303	TAIYO PERFUME	10- 1989		
	B14	JP	2157205		06-1990		
	B15	JP	3081202	DIANIPPON	04-1991		
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	B18	JP	6-183925	TASHIRO	08-1992		
	B19	JP	4316506	NAKANO	11-1992		
	B20	JP	5117125	DAINICHISEIKA COLOR	05-1993		
	B21	JP	5139924	ITO EN, LTD.	06-1993		
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	B23	CA	2,031,313	PITTENDRIGH	09-2000		
	B24	WO	93/05159	IMPERIAL CHEMICAL	03- 1993		
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	B29	WO	95/15082	UNIV. LA LAGUNA	06-1995		
	B30	WO	95/27790	CENTRE NA. RECH SCI.	10-1995		
	B31	WO	96/20596	PROGUARD, INC.	07-1996		
	B32	WO	96/41528	PROGUARD, INC.	12-1996		
SL	B33	EP	0 692 191	A1 UNIV. LA LAGUNA	01-1996		

Examiner Signature	S. L.	Date Considered	10-5-02
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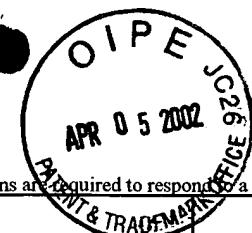
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Application Number	10/007,657
Filing Date	November 23, 2001
First Named Inventor	CRANDALL, Bradford G., Jr.
Group Art Unit	
Examiner Name	

Sheet	3	of	4	Attorney Docket Number	A-70608-7/DJB/RMK/DJM
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
S ✓	C1	BOWLES & MILLER, "Antibotulinal Properties of Selected Aromatic and Aliphatic Aldehydes," <i>J. Food Protection</i> (1993) 56: 788-794.	
	C2	BULLERMAN et al., "Inhibition of Growth and Afla Toxin Production by Cinnamon and Clove Oils ...," <i>J. Food Science</i> 42 (4) 1977 pp.1107-1109.	
	C3	CASEY & DOBB, "Microbial routes to aromatic aldehydes," <i>Enzyme Microb. Technol.</i> (1992) 14: 739-747.	
	C4	ELAD et al., "The Effect of Film-Forming Polymers on Powdery Mildew of Cucumber," <i>Phytoparasitica</i> 14(4):270-299 (1989)	
	C5	FREAR, "Wetting and Spreading Agents," in <i>Chemistry of Insecticides and Fungicides</i> (1942) D. Van Nostrand Co., Inc.:New York 13:184-191.	
	C6	GORRIS et al., Control of Fungal Storage Diseases of Potato by Use of Plant-essential Oil Components," Brighton Crop Prot. Conf-Pests Dis. 1994;vol. 1; 307-12	
	C7	GRAEFF et al., "The Effect of Ether Oils and Other Light Fluid Organic Compounds on different Pathogenic Fungi," <i>Mitt.Biol.Bundesanst.LandForstwirtsch</i> #266, p. 220 1990.	
	C8	HAGIWARA et al, "Effect of cinnamaldehyde on the growth of Rhizoctonia solani (AG2-2 IIIB) and development of brown patch disease on bentgrass," <i>J. Hokkaido Grassl. Soc.</i> (1993) 27:74-77.	
	C9	HIGILADI and ZIV, "Use of Antitranspirants for control of powdery mildew on field grown roses," <i>J. Environ. Hort.</i> 4(2):65-68 (1986)	
	C10	HORST et al, "Effect of Sodium Bicarbonate and Oils on the Control of Powdery Mildew and Black Spot of Roses," <i>Plant Disease</i> vol 76 #3 1992.	
	C11	ISHIBASHI & KUBO, "Nematicidal effect of cinnamic aldehyde on root-knot nematode, <i>Meloidgyne incognita</i> ," <i>Proc. Assoc. Pl. Prot. Kyushu</i> (1987) 33:122-125.	
	C12	KEEN and LITTLEFIELD, "The possible association of phytoalexins with resistance gene expression in flax to <i>Melampsora lini</i> ," <i>Physiol. Plant Path.</i> 14(3):265-280 1979.	
	C13	KING, "Chemicals Evaluated as Insecticides and Repellents at Orlando, Fla.," Agriculture Handbook No. 69, pp. 1-15, 17-23, 116 (1954)	
	C14	LAMB C. J. et al., "Emerging Strategies for Enhancing Crop Resistance to Microbial Pathogens," <i>Bio/Technology</i> (1992) 10:1436-1445.	
	C15	MAHMOUD, "Antifungal action and antiaflatoxigenic properties of some essential oil constituents," <i>Letters. App. Micro.</i> 19; 110-113 1994.	
S ✓	C16	MARCO et al., "Suppression of Powdery Mildew in Squash by Applications of Whitewash, Clay and Antitranspirant Materials," <i>Phytoparasitica</i> (1994) 22(1):19-29	

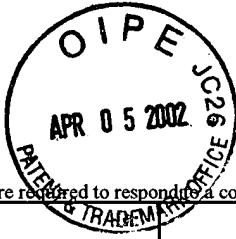
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Sheet	4	of	4	Attorney Docket Number	A-70608-7/DJB/RMK/DJM
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Application Number	10/007,657
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First Named Inventor	CRANDALL, Bradford G., Jr.
Group Art Unit	
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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SV	C17	MATSUMOTO MICROBIOLOGY LABORATORY, Antimicrobial Test of Avion-M, Nagano Prefecture, Matsumoto City (1982) 57-07 (translation from Japanene; full cite not available).	
	C18	MARRS et al., "The formulation of pesticides for convenience and safety," <i>Outlook on Agriculture</i> vol 7, #5, p. 231-235 1973.	
	C19	OHTSUKA et al, "Effects of Abion CA chemicals on vegetable diseases," <i>Proc. Assoc. Pl. Prot. Kyushu</i> (1983) 29:48-51.	
	C20	PAULUS and NELSON, "Controlling powdery mildew and rust in roses," <i>Calif. Agric.</i> (1988) 42:15	
	C21	REUVENI et al., "Induction of Systemic Resistance to Powdery Mildew and Growth Increases in Cucumber Phosphates," <i>Biol. Agric. & Hort.</i> (1993) 9:305-315	
	C22	SHUTTLEWORTH and ZIM, "Non-Flowering Plants," Golden Press: New York 1967, pp. 2-5, 160	
	C23	SITARAMAIAH et al. Chemical Abstracts (1982) 96(13) (Abstract No. 99381).	
	C24	VAUGHN and SPENCER, "Antifungal Activity of Natural Compounds against Thiabendazole-Resistant <i>Fusarium sambucinum</i> Strains," <i>J Agric. Food Chem</i> (1994), 42(1),200-3.	
	C25	YUAN et al, "Application of Microencapsulation for Toxicology Studies. III. Bioavailability of Microencapsulated Cinnamaldehyde," <i>Fundamental & Applied Toxicology</i> 20:83-87, 1993.	
	C26	ZIV and HAGILADI, "Controlling Powdery Mildew in Euonymus with Polymer Coatings and Bicarbonate Solutions," <i>Hort. Sci.</i> (1993) 28:124-126	
	C27	MORRIS, "Antimicrobial activity of aroma chemicals and essential oils," <i>J Am Chem Soc</i> 56(5):595-603 (1979)	
	C28	CAPLUS Abstract, AN 1991:663029, Acar et al., 1991	
SV	C29	CAPLUS Abstract, AN 1993:230252, Orr et al. 1993	

Examiner Signature	S. L. -	Date Considered	10-5-02
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